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## Patent Claims

1. A vehicle seat with a backrest (11) and a height-adjustable head restraint (12) which has a supporting hoop (14) with two parallel supporting rods (141) guided in the backrest (11) and a head cushion (15) held on the supporting hoop (14), and with a ventilation device (13) which has a blow-out opening (16), which is arranged in the upper side (111) of the backrest (11), for blowing out a hot air stream, characterized in that a diffuser (19) is arranged in the intermediate space between backrest (11) and head cushion (15), which diffuser blocks off the intermediate space to the rear and is designed and oriented relative to the blow-out opening (16) in such a manner that the hot air stream emerging from the blow-out opening (16) in the direction of the head cushion (15) is altered into a spread-apart, diffuse hot air flow spreading out to the neck and rear head region of a seat user (10).

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2. The vehicle seat as claimed in claim 1, characterized in that the diffuser (19) is variable in length and is fixed, on the one hand, on the upper side (111) of the backrest (11) and, on the other hand, on the lower side (151) of the head cushion (15).

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3. The vehicle seat as claimed in claim 1 or 2, characterized in that, in the transverse direction of the seat, the diffuser (19) covers the region between the two supporting rods (141) of the supporting hoop (14) of the head restraint (12).

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4. The vehicle seat as claimed in claim 1 or 2, characterized in that the diffuser (19) is designed as stretched cloth (20) which is inclined with respect to the upper side (111) of the backrest (11) and extends  
5 from the rear edge of the upper side (111) of the backrest (11) as far as the front edge of the lower side (151) of the head cushion (15).

5. The vehicle seat as claimed in claim 4,  
10 characterized in that the cloth (20) is pulled off from a reel of cloth wound up on a resetting roller-blind-type rod (21).

6. The vehicle seat as claimed in claim 4,  
15 characterized in that the cloth (20) is a pleated cloth (23) which can be expanded in the manner of a concertina and has folds running in the transverse direction of the seat.

20 7. The vehicle seat as claimed in claim 1 or 2, characterized in that the diffuser (19) is formed by an expansion bellows (24) which surrounds the supporting rods (141) of the head restraint (12) and the blow-out opening (16), is fastened on the end side on the upper  
25 side (111) of the backrest (11) and to the lower side (151) of the head cushion (15) and is open continuously longitudinally to the front toward the neck and head region of the seat user (10).

30 8. The vehicle seat as claimed in one of claims 1-7, characterized in that the blow-out opening (16) in the upper side (111) of the backrest (11) is the mouth opening of a pressure connection (17) of a suction fan (18) of the ventilation device (13), which suction fan  
35 is integrated in the backrest (11).

9. The vehicle seat as claimed in one of claims 1-3,

characterized in that the diffuser (19) is formed by a blow-out duct (25) which surrounds the blow-out opening (16) in the upper side (111) of the backrest (11), enters the backrest (11) in an axially displaceable manner, extends as far as the lower side (151) of the head cushion (15) and is fastened to the latter, and in that, in the duct section (251) extending between the upper side (111) of the backrest (11) and the lower side (151) of the head cushion (15), the blow-out duct (25) is open forward toward the neck and head region of a seat user (10).

10. The vehicle seat as claimed in claim 9, characterized in that the blow-out duct (25) is curved forward at least in its end region facing the head cushion (15).

11. The vehicle seat as claimed in claim 9 or 10, characterized in that the air blow-out opening (16) in the upper side (111) of the backrest (11) is the mouth opening of a pressure connection (17) of a suction fan (18) of the ventilation device (13), which suction fan is integrated in the backrest (11), and in that the air blow-out duct (25) is guided by its end section, which enters the backrest (11), in a telescopically displaceable manner on the pressure connection (17).